

Title (en)  
ELECTRIC POWER CIRCUIT BREAKER

Publication  
**EP 0351724 A3 19910814 (DE)**

Application  
**EP 89112918 A 19890714**

Priority  
DE 3824546 A 19880720

Abstract (en)  
[origin: EP0351724A2] An electric power circuit-breaker has a number of double contact points (13, 14) corresponding to the number of phases to be switched off, which double contact points each have two fixed contact pieces (15, 16) and each have a contact bridge (19) bridging the two, arc quenching devices (37, 38) being associated with each contact point. Each contact bridge is assigned an impact-type armature system which acts on in each case one contact bridge for opening the contact points, and in addition the circuit-breaker has a breaker mechanism (56) for the permanent opening of all contact points, on which the impact-type armature system and a thermal trip (58) act. The centre axis of the submerging armature of each impact-type armature system is flush with the centre axis of the contact bridge (19) and transmits its linear movement to the contact bridge (19) via an intermediate member (48) likewise executing a linear movement. The breaker mechanism (56) is arranged at the top front wall above the impact-type armature system (31) opposite the fastening wall (32) of the switch, and there is provided for each contact point a pivotable lever (50), the free end of which acts on the intermediate member (48) and on which a pin (53) acts for switching off, which pin is actuated by the breaker mechanism and extends parallel to the submerging armature. The circuit-breaker is employed for protecting electrical lines leading to motors and other equipment. <IMAGE>

IPC 1-7  
**H01H 71/24**; **H01H 71/10**

IPC 8 full level  
**H01H 71/10** (2006.01); **H01H 71/24** (2006.01); **H01H 73/04** (2006.01)

CPC (source: EP)  
**H01H 71/1009** (2013.01); **H01H 71/2409** (2013.01); **H01H 71/2463** (2013.01); **H01H 73/045** (2013.01)

Citation (search report)  
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• [A] DE 1155525 B 19631010 - LICENTIA GMBH  
• [A] US 3588762 A 19710628 - WILLARD HENRY G

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